

TESSERA SOLAR AND STIRLING ENERGY SYSTEMS NEPAL



NTR wrote down some \$201M in losses total between Stirling and Tessera; the California Energy Commission terminated licensing for construction on the Imperial Valley Solar project in August (shortly after San Diego Gas & Electric killed their power-purchase agreement); and the Stirling Energy Chapter 7 bankruptcy protection filing of Sept. 23 ??? after the ???



Stirling Energy Systems (SES) and Tessera Solar unveiled last week four newly designed solar power collection dishes at Sandia's National Solar Thermal Test Facility (NSTTF). Called SunCatchers???, the new dishes have a refined design that will be used in commercial-scale deployments of the units beginning in 2010. "The four new dishes are the next ???



The company said that the modular concentrating solar-thermal power (CSP) SunCatcher system uses precision mirrors attached to a parabolic dish to concentrate the sun's energy onto a stirling engine. Each dish has capacity of up to 25,000W and has been certified by Sandia national laboratories having highest sun-to-grid energy conversion.



NOTE: FEIS / Review per lead. Stirling Energy Systems (SES) merged with Tessera Solar and the applicant filed under CACA-47740 for the SES Solar Two Project. The applicant has changed its name to Imperial Valley Solar, LLC. The project name, SES Solar Two, has also been changed to the Imperial Valley Solar, LLC (IVS) project.



S& C Electric Company has been awarded a contract to perform engineering services for one of the largest solar plants in the world, Calico Solar. The plant, located near Barstow, California, is being developed by Tessera Solar and EPC firm Mortenson Construction and will utilize the Stirling Energy Systems" (SES) SunCatcher solar dish Stirling systems to put 850 megawatts ???

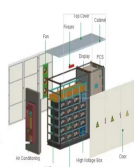
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APPLICATION SCENARIOS



Tessera announced Monday that it would build a 27-megawatt solar farm in west Texas and sell the electricity to CPS Energy via a 20-year agreement. The project would make use of 1,080 SunCatchers.



First, the news: Tessera/Stirling sold its 850-megawatt Calico project to a small developer named K Road Power. For the full press release, see [here](#). Just a couple months ago, it seemed that



Filed in September 28 (2009), the TESSERA SOLAR POWER FROM STIRLING ENERGY SYSTEMS covers Dish solar collectors for residential or commercial energy and power generation TESSERA SOLAR POWER FROM STIRLING ENERGY SYSTEMS Trademark - Serial Number 77836551 :: Justia Trademarks



SEAL BEACH, Calif., March 30, 2010 ??? The Boeing Company [NYSE: BA] and Stirling Energy Systems (SES) have formed a strategic partnership to complete the commercialization and deployment of Boeing's XR700 high-concentration photovoltaic (HCPV) solar power technology. Through a licensing agreement with Boeing, SES has acquired the sole rights to develop, ???



Sandia National Laboratories in New Mexico, famous for its nuclear research programs is now home to Stirling Energy Systems, the solar thermal company that initially announced plans to develop large levels of solar thermal capacity in 2005 and subsequently dropped off the radar. The company is backed now with capital, an alliance with DOE and a ???

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Stirling Energy Systems (SES) and Tessera Solar recently unveiled four newly designed solar power collection dishes at Sandia National Laboratories' National Solar Thermal Test Facility (NSTTF). "The four new dishes are the next-generation model of the original SunCatcher system. Six first-generation SunCatchers built over the past several years at the ???



Developer Tessera Solar has created a 1.5 megawatt power plant out of 60 SunCatcher solar thermal devices from Stirling Energy Systems. Later this year, Stirling will go into volume production

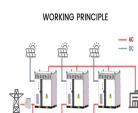
APPLICATION SCENARIOS



Bob Lukefahr, Tessera Solar North America CEO, says: "Maricopa Solar represents a genuine breakthrough in solar energy and demonstrates that Dish Stirling solar power is now ready for commercial deployment in the US and around the world. With this milestone now behind us we look forward to breaking ground on our initial 1500 MW of projects in



Concentrating Solar Power (CSP) is one of the most promising sources of renewable energy for the 21st century. Tessera Solar is the exclusive developer and operator of the SunCatcher??? solar dish Stirling system developed by Stirling Energy Systems, Inc. (SES). Tessera Solar International has been incorporated into SES activities.



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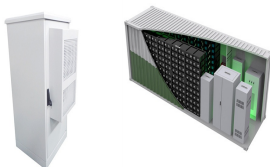
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(Tessera Solar August 2009 Press Release) Stirling Energy Systems (SES) is the global supplier of the SunCatcher??? solar dish engine system. The company is located in Scottsdale, Arizona, and has test dishes Sandia National Laboratories in New Mexico.



Engine used in this system is a doubleacting Stirling engine. The working gas is hydrogen or helium at a maximum mean working pressure of 20MPa and 720°C. The entire Stirling Energy Systems (SES) dish/Stirling system has a maximum net solar to electric efficiency of 30% [25].



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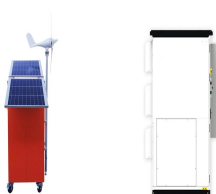


Download scientific diagram | Ripasso Energy?s Dish Stirling Hybrid modules are rated at 33 kW each and have a solar-to-electric conversion of 32% [15]. As far as large scale CSP dish-Stirling



Tessera Solar North America Inc.'s parent company, NTR Plc announced Feb. 17 that it reached an agreement to sell off the 709-megawatt (MW) Imperial Valley Solar Project in California to AES Solar. It's the latest blow to Tessera Solar's and Stirling Energy Systems" plans to build large-scale solar projects in California and elsewhere

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Designed and manufactured by SES, the innovative and highly-efficient SunCatcher system used in the Maricopa Solar CSP plant is a 25-kilowatt solar power system which uses a 38-foot, mirrored parabolic dish combined with an automatic tracking system to collect and focus the sun's energy onto a Stirling engine to convert the solar thermal



CC0000: Color Is Not Claimed As A Feature Of The Mark. D10000 "Solar Power" And "Energy Systems" DM0000: The Mark Consists Of An Array Of Quadrilateral Shapes Appearing Side By Side In Different Rows Located To The Left Side Of The Words "Tessera Solar Power From Stirling Energy Systems".



Tessera Solar North America announced the signing of a 20-year Power Purchase Agreement (PPA) with CPS Energy to develop a 27-megawatt (MW) solar project in West Texas, using the SunCatcher power system manufactured by Tessera Solar's sister company, Stirling Energy Systems (SES). This is the first PPA to be signed by the company ???



Tessera Solar, the sister company to Stirling Energy Systems, has won a bid to develop up to 500 megawatts of solar thermal power plants on land owned by Riverside County in California.

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Stirling Energy Systems (SES) of Scottsdale, Arizona, a system manufacturer of dish-engine solar plants, has filed for Chapter 7 bankruptcy according to an article in Renewable Energy World. Our



Those of us who have tracked solar energy innovations for several decades will likely have heard about Stirling engines. This sealed "heat engine" technology has been around a long time--since 1816, in fact--when it was invented by the Scottish clergyman and inventor Robert Stirling. For decades, while there were cool models to demonstrate the principle in ???



Stirling Energy Systems (SES) and Tessera Solar recently unveiled four newly designed solar power collection dishes at Sandia National Laboratories' National Solar Thermal Test Facility (NSTTF). Sandia's concentrating solar-thermal power (CSP) team has been working closely with SES over the past five years to improve the system design and operation.



Tessera Solar and Stirling Energy Systems. April 22, 2010 admin 17 Comments. An overview of the breakthrough SunCatcher solar power system. This is a new, utility-scale solar power technology designed and manufactured by Stirling Energy Systems and deployed by its sister company Tessera Solar.